

## LISTING OF THE CLAIMS

1. (Currently Amended) A heat insulating and fire resistant composite material comprising:
  - a. a first layer which comprises a prefabricated microcells component, a surfactant component, surfactant-generated microcells, a filler component and a binder component; and
  - b. a second layer comprising a metallic component adhered to the first layer.
2. (Withdrawn) A composite material comprising:
  - a. a substrate;
  - b. a first layer adhered to the substrate to provide a coated substrate, said first layer comprising a prefabricated microcells component, a surfactant component, surfactant-generated microcells, a filler component and a binder component; and
  - c. a second layer comprising a metallic component adhered to the coated substrate.
3. (Withdrawn) The composite material according to claim 2, wherein said substrate is planar and said first layer is adhered to one side of the substrate.
4. (Withdrawn) The composite material according to claim 2, wherein said substrate is planar and said first layer is adhered to both sides of the substrate.
5. (Withdrawn) The composite material according to claims 3 or 4 wherein said second layer is adhered to one side of said coated substrate.
6. (Withdrawn) The composite material according to claims 3 or 4 wherein said second layer is adhered to both sides of said coated substrate.

7. (Original) The composite material according to claim 1, wherein said first layer is planar and the second layer is adhered to one side of the first layer.
8. (Original) The composite material of claim 1, wherein the first layer is planar and the second layer is adhered to both sides of the first layer.
9. (Withdrawn) The composite material according to claims 1 or 2 wherein said composite material further includes a water repellent material.
10. (Withdrawn) The composite material according to claims 1 or 2 wherein said composite material further includes an antifungal material.
11. (Withdrawn) The composite material according to claims 1 or 2 wherein said composite material further includes an antibacterial material.
12. (Withdrawn) The composite material according to claims 1 or 2 wherein said composite material further includes a surface friction agent.
13. (Original) The composite material according to claims 1 or 2 wherein said composite material further includes a flame retardant material.
14. (Withdrawn) The composite structural material according to claims 1 or 2 wherein said composite material further includes an algacide.
15. (Original) The composite material according to claims 1 or 2, wherein the metallic component is selected from a group consisting of aluminum or stainless steel.

16. (Original) The material according to claim 16, wherein the metallic component is aluminum foil.

17. (Original) The composite material according to claims 1 or 2, wherein the filler component is clay.

18. (Original) The composite material according to claims 1 or 2, wherein the surfactant component is a fast soap.

20. (Original) The composite material according to claims 1 or 2, wherein the surfactant component forms surfactant-generated microcells.